

SEQUENCE LISTING

<110> Dyer, Cheryl J.
 Du, Fengxing
 Grosz, Michael D.
 Byatt, John C.

<120> USE OF A SINGLE NUCLEOTIDE POLYMORPHISM IN THE CODING REGION OF
 THE LEPTIN RECEPTOR GENE TO ENHANCE PORK PRODUCTION

<130> 11916.0058.00PC01

<150> US. 60/553,582
 <151> 2004-03-16

<150> U.S. 60/493,158
 <151> 2003-08-07

<160> 44

<170> PatentIn version 3.2

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<223> N = T or A

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aatgtcctaa ca gaa ttt att tat gtg ata act gca ttt gac ttg gca tat      171
          Glu Phe Ile Tyr Val Ile Thr Ala Phe Asp Leu Ala Tyr
            1             5             10

cca att act cct tgg aaa ttt aag ttg tct tgc atg cca cca aat aca      219
Pro Ile Thr Pro Trp Lys Phe Lys Leu Ser Cys Met Pro Pro Asn Thr
      15             20             25

aca tat gac ttc ctc ttg cct gct gga atc tca aag aac act tca act      267
Thr Tyr Asp Phe Leu Leu Pro Ala Gly Ile Ser Lys Asn Thr Ser Thr
      30             35             40             45

ttg aat gga cat gat gag gca gtt gtt gaa ang gaa ctt aat nna agt      315
Leu Asn Gly His Asp Glu Ala Val Val Glu Xaa Glu Leu Asn Xaa Ser
          50             55             60

ggt acc tac tta tca aac tta tct tct aaa aca act ttc cac tgt tgc      363
Gly Thr Tyr Leu Ser Asn Leu Ser Ser Lys Thr Thr Phe His Cys Cys
          65             70             75

ttt tgg agt gag gaa gat aaa aac tgc tct gta cat gca gac aac att      411
Phe Trp Ser Glu Glu Asp Lys Asn Cys Ser Val His Ala Asp Asn Ile
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Ala Gly Lys
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<210> 11
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<222> (56)..(56)
<223> The 'Xaa' at location 56 stands for Thr or Met.

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<222> (60)..(60)
<223> The 'Xaa' at location 60 stands for Ile or Ser.

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His Asp Glu Ala Val Val Glu Xaa Glu Leu Asn Xaa Ser Gly Thr Tyr	50	55	60
Leu Ser Asn Leu Ser Ser Lys Thr Thr Phe His Cys Cys Phe Trp Ser	65	70	75
Glu Glu Asp Lys Asn Cys Ser Val His Ala Asp Asn Ile Ala Gly Lys	85	90	95

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 acctacttat caaacttatc ttctaaaaca actttccact gttgcttttg gagtgaggaa 300
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 aagcctgatc caccattagg tttgcatatg gaaatcacag aactggtaa tttaaagatt 780
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aatangannt cccagtcctt gtagttaagt gtaccttaac tttttgcttc ttotttcttc     480
ttannagctt taacttanna aatattgtca tcttgtaaac cctgacnnat gatttatctt     540
catcaatctg tttagacttg aagtcanngc tcaaattann ttctgnnntt tcatnnngnn     600
cnnnnntggn nnnnnnnnnn nnnagcttgt gtgccaattt nnnnnnnnnn natgaantac     660
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actattgtgg tctcaggagt tctgttccca ggattcagga attcactaga gtgtacacag     960
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ggtcc                                           1025

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<400> 16

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cgcaaccagc ggaatcagaa ggaagctccc tgggtgcttca ccttggatga gaactttaag      180
tccgacctgt gtgacatccc agcatgtgat tcaaaggatt ccaaagagaa gaataaaatg      240
gaaatcctgt acatactggg gccagtggtt gccatcccc tggccattgc cttactcttc      300
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<212> DNA

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ccccattagc cgtgactcaa taaaaacttt gcaagtgggg ggaccacgga acccggaagt      180
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acaggagcta ctaaaat

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<400> 29

cataaaggcc cactaat

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<210> 31

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic nucleotide

<400> 31

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<221> misc_feature

<222> (103)..(103)

<223> N = T or G

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tggcagattt cttacatcgt tattcaatat gagctgcgaa tcatatgctc gtagttagga	180
aatgtcagg aaaccccgag tgtgcctgct ttgtttgaca aagctatttt cgagtcattg	240
tgggaaggcaa gggcatccag cgcctggcat ggaggagaag agggtagccc tgccccccac	300
cttcccagcc tttttctgag atgttggtta ttcggtccta gatgacaagc gctcaactct	360
gaacaaggga cggccgtctc acaccgtctc aattagtcca ggatgt	406

<210> 43

<211> 395

<212> DNA

<213> Sus scrofa

<220>

<221> misc_feature

<222> (192)..(192)

<223> N = T or C

<400> 43

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caacagaccc tctgatattt ggaaaagcag aggaaaattt ggaagcccac tgttgcaatc	180
aacaggagct antaaaattt tagtctattt tttcaactct atcagttctt ttcttatact	240
caaatgatta tcctggctat taaataatct ctttcctccc tccacacacc cgctgccagt	300
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<211> 838

<212> DNA

<213> Sus scrofa

<400> 44

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